

# ANNUAL REPORT FOR 2002



**Long Creek Bridge Mitigation Site**  
**Pender County**  
**TIP No. B-2854**



Prepared By:  
Natural Systems Unit & Roadside Environmental Unit  
North Carolina Department of Transportation  
December 2002

## TABLE OF CONTENTS

SUMMARY.....	1
1.0 Introduction .....	2
.1 Project Description .....	2
.2 Purpose .....	2
.3 Project History .....	2
2.0 Vegetation: .....	4
.1 Success Criteria .....	4
.2 Description of Species.....	4
.3 Results of Vegetation Monitoring .....	4
.4 Conclusions. ....	4
3.0 Overall Conclusions and Recommendations .....	4

## FIGURES

Figure 1. Site Location Map.....	3
----------------------------------	---

## APPENDICES

Appendix A – Site Photos .....	5
--------------------------------	---

## **SUMMARY**

The Long Creek Bridge Mitigation Site is located in Pender County. The site was left to naturally re-establish vegetation in 2001 and was designed as mitigation for wetland impacts associated with bridge project B-2854.

The mitigation encompasses approximately 0.30 acres total of wetland restoration. The restoration effort involved allowing the temporarily impacted area to naturally re-establish vegetation. This area was temporarily impacted due to the use of mechanized land clearing. The area is being monitored to ensure that it re-attains wetland jurisdictional status. No hydrologic monitoring is required for this project; however, vegetation monitoring is required for three years.

After the first year of monitoring, the Long Creek Bridge site shows by visual observation that the planted species are surviving and that the impacted area is re-attaining jurisdictional status.

NCDOT recommends continuing monitoring of this site.

## **1.0 INTRODUCTION**

### **1.1 Project Description**

The Long Creek Bridge Mitigation site is located at Bridge No. 9 on SR 1120 in Pender County. The site consists of approximately 0.30 acres of mitigation for wetland impacts associated with project B-2854.

### **1.2 Purpose**

In order for a mitigation site to be considered successful, a site must meet success criteria in vegetation. This report details the vegetation monitoring in 2002 at the Long Creek Bridge Mitigation Site. Hydrologic monitoring was not required for the site.

### **1.3 Project History**

March 2001	Construction Completed
December 2002	Vegetation Monitoring (1 year)

B-2854 Long Creek  
Bridge Site  
SR 1120 Malpass Corner Rd  
Near Burgaw, Pender Co



**Figure 1. Site Location Map**

## **2.0 VEGETATION: LONG CREEK BRIDGE MITIGATION SITE (YEAR 1 MONITORING)**

### **2.1 Success Criteria**

Success Criteria states that the temporarily impacted area where mechanized clearing occurred and has been allowed to naturally re-vegetate and must re-attain jurisdictional status at the end of three years.

### **2.2 Description of Species**

No species of trees were planted as the site was graded down to its original contours and elevation and left to re-establish vegetation naturally. Surrounding plant species include *Spartina sp.*, *Juncus sp.* and other marsh species.

### **2.3 Results of Vegetation Monitoring**

The impacted area where mechanized land clearing occurred is re-attaining jurisdictional status due to the re-establishment of natural vegetation.

### **2.4 Conclusions**

There were approximately 0.30 acres total of wetland restoration on site. There were no plots established on the site. By visual observation the Long Creek Bridge site shows that natural re-vegetation is occurring and that the impacted area is re-attaining jurisdictional status.

## **3.0 Overall Conclusions and Recommendations**

NCDOT proposes to continue monitoring at the Long Creek Bridge Site.

# **APPENDIX A**

## **SITE PHOTOS**



# Long Creek Bridge



Photo 1



Photo 2



Photo 3



Photo 4